

WORKSHOP/TUTORIAL on 29th December 2004

LOCATION: BRAC University
66 Mohakhali, Dhaka 1212

1) Dr. Mohammad S. Alam

Professor
Department of Electrical and Computer Engineering
The University of South Alabama

Dr. Alam's research interests are in ultrafast computer architectures and algorithms, digital/optical signal and image processing, communication systems, pattern recognition. He is the author or co-author of more than 200 published papers. He received numerous excellences in research, teaching and service awards e.g., the 1998 Outstanding Engineer Award from Region IV of IEEE, the 2003 Researcher of the Year Award from the University of South Alabama. He served as the PI or Co-PI of many research projects totaling over 10M dollars. His research work has been supported by various federal agencies. He serves as a Guest Editor for the Journal of Optical Engineering.

Tutorial TRACK (08:30 am- 10:30 am)

Pattern Recognition and Tracking (Tentatively Scheduled): He will discuss a recently proposed technique, called **fringe-adjusted joint transform correlator**. The proposed technique can be effectively used for various practical applications such as character recognition, face recognition, finger print identification, and military target detection and tracking.

1) Farid Ahmed, Ph.D.

Assistant Professor
Electrical Engineering & Computer Science
The Catholic University of America

Dr Ahmed's research interests include signal/image processing, multimedia authentication, digital watermarking, computer networks, data and network security, optical information processing, and wavelets. Prior to joining CUA, he worked as an R&D engineer at Digimarc Corporation in the area of digital watermarking. Dr. Ahmed is the founding advisor of the ACM student chapter at CUA.

Tutorial TRACK 1 (11:00 am – 12:30 pm)

a) Defining 'Information Security'- Security of data, information and **multimedia**.

b) **Security Requirements in network, communication, and computer.**

Tutorial TRACK 2 (01:30 pm – 03:00 pm)

a) Security Applications in **critical financial and governmental infrastructure protection**, e-government initiatives etc.

b) Overview of Security Techniques like **cryptography, steganography, digital watermarking, information hiding** etc.

Schedule (29/12/2004)

08:00 am: Welcome address by Dr. Md. Sayeed Salam,
Chairperson, Department of Computer Science and Engineering, BRAC University

08:30 am: Tutorial Track by Dr. Mohammad S. Alam (2-hour)

10:30 am: Tea-break

11:00 am: Tutorial Track 1 by Dr. Farid Ahmed (1.5 -hour)

12:30 pm: Lunch

01:30 pm: Tutorial Track 2 by Dr. Farid Ahmed (1.5 -hour)

Registration:

Student fee: 700 tk ; Professional fee: 1000 tk; Contact: Mr Manzur Ashraf, Room UB 303, email: manzur_bd@bracuniversity.ac.bd , phone: 9881265 ext 423; BRAC University